



## Oncocytic nodular hidradenoma

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**Abstract:** Oncocytic neoplasms are most commonly of salivary, thyroid, parathyroid, and renal origin. Ocular adnexal tumors with oncocytosis have been reported. We report an unusual example of a skin adnexal tumor from the back. A tumor of uncertain duration was excised from a 54-year-old man. Light microscopy of hematoxylin and eosin-stained sections showed a large, fairly well-defined cystic nodular hidradenoma with areas infiltrated by numerous closely arranged, large, uniform, oval and polygonal cells with abundant intensely eosinophilic cytoplasm and small central, dark, round nuclei. No significant cellular atypia or mitotic figures were observed. The cytoplasm of these cells showed markedly positive immunostaining with monoclonal antimitochondrial antibodies. Electron microscopy demonstrated cytoplasm packed with mitochondria. Pure oncocytic tumors usually follow a benign clinical course. The focal presence of oncocytes in an otherwise histologically recognizable tumor apparently does not affect the prognosis, which in this case is the favorable outcome expected for a nodular hidradenoma.